

of which is two-sevenths of the length of the head ; mouth oblique, the maxillary of the left side not quite extending to below the middle of the eye. The dorsal fin terminates at a short distance from the caudal, the rays being rather short. Caudal rounded. The left pectoral is scarcely longer than the right, and as long as the postorbital portion of the head ; the left ventral is opposite to the right ; a conspicuous fleshy lobe behind the left ventral, opposite to the commencement of the anal. Brown, indistinctly mottled with darker, all the rays of the vertical fins finely dotted with brown. Length of specimens, 6 and 7 inches. Off Cape Virgins ; 55 fathoms.

Haplochiton zebra, Jen., Stream at Gray Harbour, Messier Channel. Lake at Porto Bueno. Port Stanley, Falkland Islands.

Myxine australis, Jen., Grapler Harbour, Messier Channel. Port Chirrucha, Straits of Magellan.

III. THE FISH FAUNA OF THE TEMPERATE ZONE OF THE SOUTH PACIFIC.

A. VALPARAISO AND JUAN FERNANDEZ.

During the month (November to December, 1875) the Challenger stayed at these localities, several undescribed shore fishes were obtained. The fishes of Juan Fernandez have scarcely been touched, and those known are chiefly such as are caught for food. Dr Steindachner has recently described several in a paper which will be quoted hereafter. The fauna of Chile and Juan Fernandez might be described, without much exaggeration, as a mixture of European and New Zealand forms ; of the fishes mentioned here two being identical with, and four representative of, European species.

Acanthias blainvilli, Risso.

This common species of the Mediterranean seems to be widely spread in the temperate seas of the Southern Hemisphere. The British Museum possesses specimens from the Cape of Good Hope, Tasmania, and New Holland.

Specimens from Juan Fernandez have been noticed as *Squalus fernandinus* in Molina (Hist. Chile, p. 194), and as *Spinax fernandezianus* in Gay's Chile (Zool., vol. ii. p. 365) ; Dr Steindachner has described it as *Acanthias fernandinus* in Wien. S. B., 1875, vol. lxxi. p. 466. The distinctive characters given by the latter author are, in my opinion, quite insufficient for the specific discrimination of the Juan Fernandez specimens.

Female with foetus, preserved in salt. Juan Fernandez.